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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **R. Singh, et al.**

Examiner: **I. Zemel**

Application No.: **10/837,525 (Conf. 1983)**

Group Art Unit: **1711**

Filed: **April 29, 2004**

Docket No.: **H0003965CIP-4510**

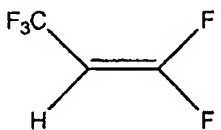
Title: **COMPOSITIONS CONTAINING FLUORINE SUBSTITUTED OLEFINS**

Commissioner for Patents  
Alexandria, VA 22313-1450

**RULE 132 DECLARATION OF DR. GEORGE RUSCH**

I, Dr. George Rusch, declare and state that:

1. I am the Director of Toxicology and Risk Assessment at Honeywell International Inc. ("Honeywell"). I hold a Ph.D. degree in Chemistry from Adelphi University, in Garden City, NY. I have been employed by Honeywell and/or its predecessor in interest, the assignee of the application, since about August, 1980 holding various positions, including my current position as Director of Toxicology and Risk Assessment.
2. Toxicological testing of HFO-1225zc (1,1,3,3,3-pentafluoropropene)



HFO-1225zc

is described in the U.S. Department of Commerce, National Technical Information Service publication entitled "Support: Letter from Dupont Haskell Lab to US EPA Regarding Results of Bacterial Reverse Mutation Assay Conducted with 1-Propene, 1,1,3,3,3-Pentafluoro-, dated 04/17/00" (Exhibit "A"). The toxicity tests were conducted by standard methods known to those of ordinary skill in the art. In particular, the methods involve determining the LC<sub>50</sub> or median lethal concentration required to kill half